AMENDMENTS TO THE CLAIMS

1. (previously presented) A golf club head comprising a hitting face for golf balls, said hitting face formed at least partially by a metallic material, and said metallic material satisfying the following relation:

$$y \ge 0.006x + 60$$

wherein

x is Young's modulus in units of kgf/mm², and

y is tensile strength in units of kgf/mm², and

wherein said metallic material has a young's modulus of 3,000 to

12,000 kgf/mm², and a tensile strength of 105 to 175 kgf/mm² and

said hitting face has at least partially a hitting portion which consists of said metallic material with a thickness of 1 to 3 mm.

- 2. (currently amended) [[A]] <u>The</u> golf club head according to claim 1, wherein said metallic material is an amorphous metal.
- 3. (currently amended) [[A]] <u>The</u> golf club head according to claim 1, wherein said metallic material is an amorphous alloy of a zirconium base.

4. (currently amended) [[A]] The golf club head according to claim 1, wherein said

metallic material is an amorphous alloy comprising the elements Zr, Al, Cu, Ni, and Hf

or an amorphorus amorphous alloy comprising the elements Zr, Al, Cu, and Ni.

5. (previously presented) A golf club head comprising a hitting face for golf balls, the

surface of said hitting face being formed at least partially by a metallic material

satisfying the following relationship:

$$z \ge (x/60) + 200$$

wherein x is Young's modulus in units of kgf/mm², and z is Vickers hardness in units

of HV, and

wherein said metallic material has a Young's modulus of 3,000 to 12,000 kgf/mm² and a

Vickers hardness of 400 to 1,000 HV and said hitting face has at least partially a hitting

portion which consists of said metallic material with a thickness of 1 to 3 mm.

6. (currently amended) [[A]] The golf club head according to claim 5, wherein said

metallic material is an amorphous metal.

7. (currently amended) [[A]] The golf club head according to claim 5, wherein said

metallic material is an amorphous alloy of a zirconium base.

8. (currently amended) [[A]] The golf club head according to claim 1, wherein said

metallic material is an amorphous alloy comprising the elements Zr, Al, Cu, Ni, and Hf

or an amorphous alloy comprising the elements Zr, Al, Cu, and Ni.

9. (currently amended) [[A]] The golf ball club head according to claim 1, wherein said

metallic material has a Young's modulus of 5,000 to 12,000 kgf/mm² and a tensile

strength of 105 to 400 kgf/mm².

10. (currently amended) [[A]] The golf ball club head according to claim 1, wherein said

metallic material has a Young's modulus of 5,000 to 12,000 kgf/mm² and a tensile

strength of 130 to 400 kgf/mm².

11. (currently amended) [[A]] The golf ball club head according to claim 5, wherein said

metallic material has a Young's modulus of 5,000 to 12,000 kgf/mm² and a Vickers

hardness of 400 to 1,000 HV.

12. (currently amended) [[A]] The golf ball club head according to claim 5, wherein said

metallic material has a Young's modulus of 5,000 to 12,000 kgf/mm² and a Vickers

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hardness of 400 to 1,000 HV.

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13. (currently amended) [[A]] The golf ball club head according to claim 5, wherein said

metallic material has a tensile strength of 80 to 400 kgf/mm².

14. (currently amended) [[A]] The golf ball club head according to claim 1, wherein the

metallic metal is an amorphous metal expressed by the formula:

MaXb, wherein M represents two or more elements selected from the group consisting

of Zr, V, Cr, Mn, Fe, Co, Ni, Cu, Ti, Mo, W, Ca, Li, Mg, Si, Al, Pd and Be; X is an element

selected from the group consisting of Y, La, Ce, Sm, Md, Hf, Nb and Ta; and a and b

represent atomic percentages in the ranges of $65 \le a \le 100$ and

 $0 \le b \le 35$, respectively.

15. (currently amended) [[A]] The golf ball club head according to claim 5, wherein the

metallic metal is an amorphous metal expressed by the formula:

MaXb, wherein M represents two or more elements selected from the group consisting

of Zr, V, Cr, Mn, Fe, Co, Ni, Cu, Ti, Mo, W, Ca, Li, Mg, Si, Al, Pd and Be; X is an element

selected from the group consisting of Y, La, Ce, Sm, Md, Hf, Nb and Ta; and a and b

represent atomic percentages in the ranges of $65 \le a \le 100$ and

 $0 \le b \le 35$, respectively.

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16. (currently amended) [[A]] The golf ball club head according to claim 1 wherein the

metallic material is an amorphous metal of the formula: ZrcMdXe, wherein Zr is

Zirconium; M is an element selected from the group consisting of V, Cr, Mn, Fe, Co, Ni,

Cu, Ti, Mo, W, Ca, Li, Mg, Si, Al, Pd and Be; X is an element selected from the group

consisting of Y, La, Ce, Sm, Md, Hf, Nb and Ta; and c, d and e represent atomic

percentages within the ranges of $20 \le c \le 80$, $20 \le d \le 80$, and $0 \le e \le 35$, respectively.

17. (currently amended) [[A]] The golf ball club head according to claim 5 wherein the

metallic material is an amorphous metal of the formula: Zr_cM_dX_e, wherein Zr is

Zirconium; M is an element selected from the group consisting of V, Cr, Mn, Fe, Co, Ni,

Cu, Ti, Mo, W, Ca, Li, Mg, Si, Al, Pd and Be; X is an element selected from the group

consisting of Y, La, Ce, Sm, Md, Hf, Nb and Ta; and c, d and e represent atomic

percentages within the ranges of $20 \le c \le 80$, $20 \le d \le 80$, and $0 \le e \le 35$, respectively.

18. (currently amended) [[A]] The golf ball club head according to claim 1 wherein the

metallic material is an amorphous metal of the formula: Zr_cM_dX_e, wherein Zr is

Zirconium; M is an element selected from the group consisting of V, Cr, Mn, Fe, Co, Ni,

Cu, Ti, Mo, W, Ca, Li, Mg, Si, Al, Pd and Be; X is an element selected from the group

consisting of Y, La, Ce, Sm, Md, Hf, Nb and Ta; and c, d and e represent atomic

percentages within the ranges of $50 \le c \le 75$, $25 \le d \le 50$, and $0 \le e \le 1$, respectively.

19. (currently amended) [[A]] The golf ball club head according to claim 5 wherein the

metallic material is an amorphous metal of the formula: Zr_cM_dX_e, wherein Zr is

Zirconium; M is an element selected from the group consisting of V, Cr, Mn, Fe, Co, Ni,

Cu, Ti, Mo, W, Ca, Li, Mg, Si, Al, Pd and Be; X is an element selected from the group

consisting of Y, La, Ce, Sm, Md, Hf, Nb and Ta; and c, d and e represent atomic

percentages within the ranges of $50 \le c \le 75$, $25 \le d \le 50$, and $0 \le e \le 1$, respectively.

20. (currently amended) [[A]] The golf club head according to claim 5, wherein a

thickness of said metallic material is 1 to 3 mm.

21. (previously presented) A golf club head comprising a hitting face for golf balls, said

hitting face formed at least partially by a metallic material, and said metallic material

satisfying the following relationship:

 $y \ge 0.006x + 60$

wherein x is Young's modulus in units of kgf/mm², and y is tensile strength in units

kgf/mm², and

wherein said metallic material has a Young's modulus of 5,000 to 16,000 kgf/mm² and a

tensile strength of 105 to 175 kgf/mm².

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22. (currently amended) [[A]] The golf club head according to claim 21, wherein a

thickness of said metallic material is 1 to 3 mm.

23. (currently amended) [[A]] The golf club head according to claim 21, wherein said

metallic material is an amorphous metal.

24. (currently amended) [[A]] The golf club head according to claim 21, wherein said

metallic material is an amorphous alloy of a zirconium base.

25. (currently amended) [[A]] The golf club head according to claim 21, wherein said

metallic material is an amorphous alloy comprising the elements Zr, Al, Cu, Ni, and Hf

or an amorphous alloy comprising the elements Zr, Al, Cu and Ni.

26. (currently amended) [[A]] The golf club head according to claim 7, wherein said

metallic material satisfies the following relation:

y > 0.006x + 63 wherein y is tensile strength in units of kgf/mm².

27. (currently amended) [[A]] The golf club head according to claim 1, wherein the back

of said hitting portion is not supported by a support member.

28. (currently amended) [[A]] The golf club head according to claim 5, wherein said

metallic material has a young's modulus of 3,000 to 10,000 kgf/mm².

29. (currently amended) [[A]] The golf club head according to claim 5, wherein the back

of said hitting portion is not supported by a support member.

30. (currently amended) [[A]] The golf club head according to claim 21, wherein said

metallic material satisfies the following relation:

y > 0.006x + 63.

31. (currently amended) [[A]] The golf club head according to claim 21, wherein said

hitting face has at least partially a hitting portion which consists of said metallic

material with a thickness of 1 to 3 mm.

32. (currently amended) [[A]] The golf club head according to claim 21, wherein said

hitting face has at least partially a hitting portion which consists of said metallic

material with a thickness of 1 to 3 mm and the back of said hitting portion is not

supported by a support member.

33. (previously presented) The golf club head of claim 1 wherein the head is wood.

- 34. (previously presented) The golf club head of claim 5 wherein the head is wood.
- 35. (previously presented) The golf club head of claim 21 wherein the head is wood.
- 36. (previously presented) The golf club head of claim 1 wherein the head is iron.
- 37. (previously presented) The golf club head of claim 5 wherein the head is iron.
- 38. (previously presented) The golf club head of claim 21 wherein the head is iron.
- 39. (previously presented) The golf club head of claim 1 wherein the hitting portion has uniform thickness.
- 40. (previously presented) The golf club head of claim 5 wherein the hitting portion has uniform thickness.
- 41. (previously presented) The golf club head of claim 21 wherein the hitting portion has uniform thickness.

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42. (previously presented) The golf club head of claim 1 wherein the head comprises a

head body and a face plate made of said metallic material and the head body is

provided with a face mounting part for attaching the face plate comprising a periphery

of a hitting face, and the face mounting part is provided with a step down zone.

43. (previously presented) The golf club head of claim 5 wherein the head comprises a

head body and a face plate made of said metallic material and the head body is

provided with a face mounting part for attaching the face plate comprising a periphery

of a hitting face, and the face mounting part is provided with a step down zone.

44. (previously presented) The golf club head of claim 21 wherein the head comprises a

head body and a face plate made of said metallic material and the head body is

provided with a face mounting part for attaching the face plate comprising a periphery

of a hitting face, and the face mounting part is provided with a step down zone.

45. (previously presented) The golf club head of claim 1 wherein the head comprises a

head body and a face plate made of said metallic material wherein the face plate is

constructed with a thicker central part with a periphery part whose thickness reduces

gradually outward.

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46. (previously presented) The golf club head of claim 5 wherein the head comprises a

head body and a face plate made of said metallic material wherein the face plate is

constructed with a thicker central part with a periphery part whose thickness reduces

gradually outward.

47. (canceled)

48. (previously presented) The golf club head of claim 1 wherein the head comprises a

head body and a face plate made of said metallic material wherein the face plate is

constructed with a thinner central part with a periphery part whose thickness increases

gradually outward.

49. (previously presented) The golf club head of claim 5 wherein the head comprises a

head body and a face plate made of said metallic material wherein the face plate is

constructed with a thinner central part with a periphery part whose thickness increases

gradually outward.

50. (previously presented) The golf club head of claim 21 wherein the head comprises a

head body and a face plate made of said metallic material wherein the face plate is

constructed with a thinner central part with a periphery part whose thickness increases

gradually outward.

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